

What is claimed is:

1. An electrical power distribution apparatus comprising:

a housing;

5 an electrical power input assembly located substantially in the housing and adapted to be electrically connected to an electrical power supply; and

10 a plurality of electrical power output assemblies located substantially in the housing, electrically connected to the input assembly, and adapted to receive electrical power from the input assembly, the plurality of electrical power output assemblies including at least one output connection adapted to be hard-wired to a piece of equipment to provide electrical power and at least one receptacle adapted to receive an equipment plug to provide electrical
15 power.

2. The apparatus of claim 1 wherein the housing is rack mountable.

3. The apparatus of claim 1 wherein the housing includes a front access door and a back access door.

4. The apparatus of claim 1 which further comprises a meter located within the housing and adapted to monitor at least one property of electrical power passing through the input assembly.

5. The apparatus of claim 1 which further comprises a transformer adapted to be in electrical communication with both the electrical power supply and the input assembly.

6. The apparatus of claim 1 wherein the input

assembly is adapted to be electrically connected to a single phase electrical power supply or to a three phase electrical power supply.

7. The apparatus of claim 1 wherein the input assembly is adapted to be electrically connected to a single phase electrical power supply.

8. The apparatus of claim 1 wherein each of the output assemblies includes a different circuit breaker.

9. The apparatus of claim 1 wherein the plurality of electrical power output assemblies includes a plurality of differently configured receptacles for accommodating differently configured equipment plugs.

10. The apparatus of claim 1 further comprising a circuit panel and wherein the plurality of electrical output assemblies are mounted in the circuit panel.

11. The apparatus of claim 1 wherein the plurality of electrical power output assemblies include:

a plurality of output connections adapted to be hard-wired to equipment, and

5 a plurality of receptacles, each adapted to receive an equipment plug.

12. The apparatus of claim 11 wherein the plurality of receptacles comprises differently configured receptacles for accommodating differently configured equipment plugs.

13. The apparatus of claim 11 wherein the plurality of output connections comprise at least about 8 output connections.

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14. The apparatus of claim 11 wherein the plurality of receptacles comprises at least about 8 receptacles.

15. The apparatus of claim 1 which further comprises a switch structured and positioned to alternately connect and disconnect one of two or more electrical power supplies to the electrical power input assembly.

16. An electrical power distribution apparatus comprising:

- a rack mountable housing;
- an electrical power input assembly located substantially in the housing and adapted to be electrically connected to an electrical power supply; and
- a plurality of electrical power output assemblies located substantially in the housing, electrically connected to the input assembly, and adapted to receive electrical power from the input assembly, the plurality of electrical power output assemblies including at least one output connection adapted to be hard-wired to a piece of equipment to provide electrical power.

17. The apparatus of claim 16 wherein the housing is adapted to be mounted on a 19 inch or 23 inch rack.

18. The apparatus of claim 16 which further comprises a meter located within the housing and adapted to monitor at least one property of electrical power passing through the input assembly.

19. The apparatus of claim 16 wherein each of the output assemblies includes a different circuit breaker.

20. The apparatus of claim 16 which further comprises a switch structured and positioned to alternately connect

and disconnect one of two or more electrical power supplies to the electrical power input assembly.

21. An electrical power distribution system comprising:

5 a plurality of electrical power distribution apparatus, each electrical power distribution apparatus being adapted to be electrically connected with at least one of the other electrical power distribution apparatus, each of the electrical power distribution apparatus comprising:

a housing;

10 an electrical power input assembly located substantially in the housing and adapted to be electrically connected to an electrical power supply; and

15 a plurality of electrical power output assemblies located substantially in the housing, electrically connected to the input assembly, and adapted to receive electrical power from the input assembly, the plurality of electrical power output assemblies including at least one output connection adapted to be hard-wired to a piece of equipment to provide electrical power and at least one receptacle adapted to receive an equipment plug and to provide
20 electrical power.

22. The system of claim 21 wherein each of the housings is rack mountable.

23. The system of claim 21 wherein each of the electrical power distribution apparatus further comprises a meter disposed within the housing and adapted to monitor at least one property of electrical power passing through the input assembly.

24. The system of claim 21 which further comprises a switch structured and positioned to alternately connect and

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